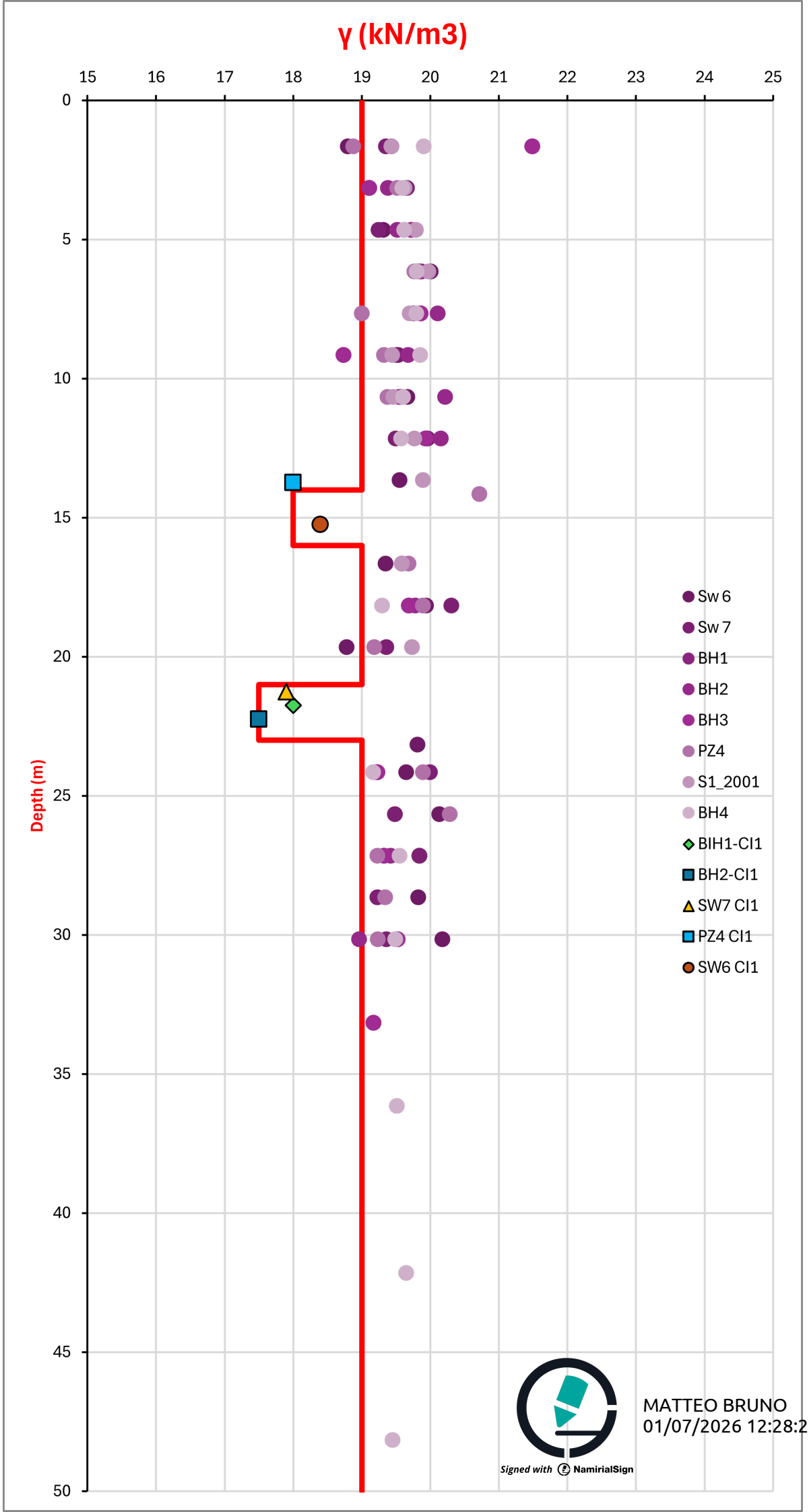
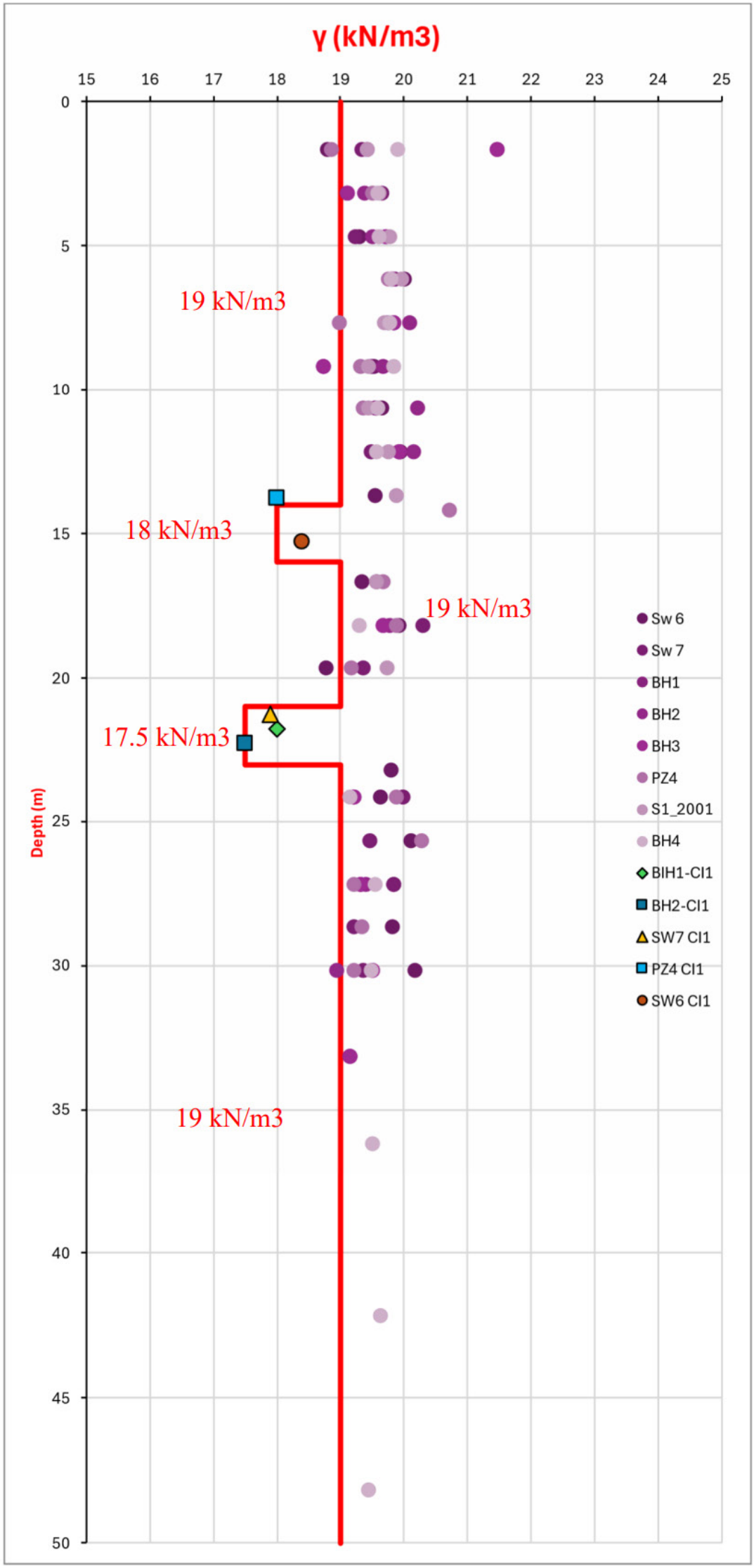
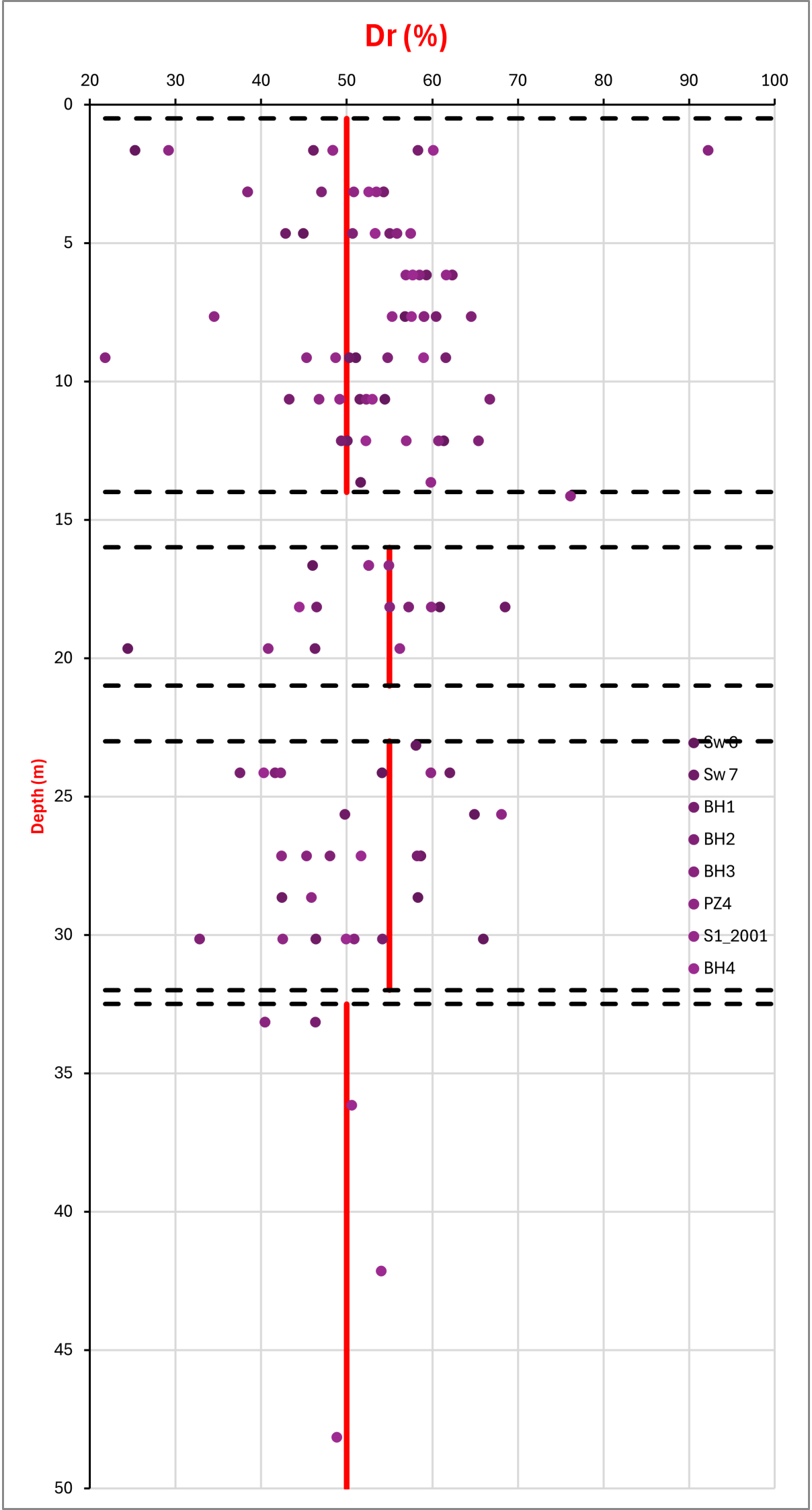
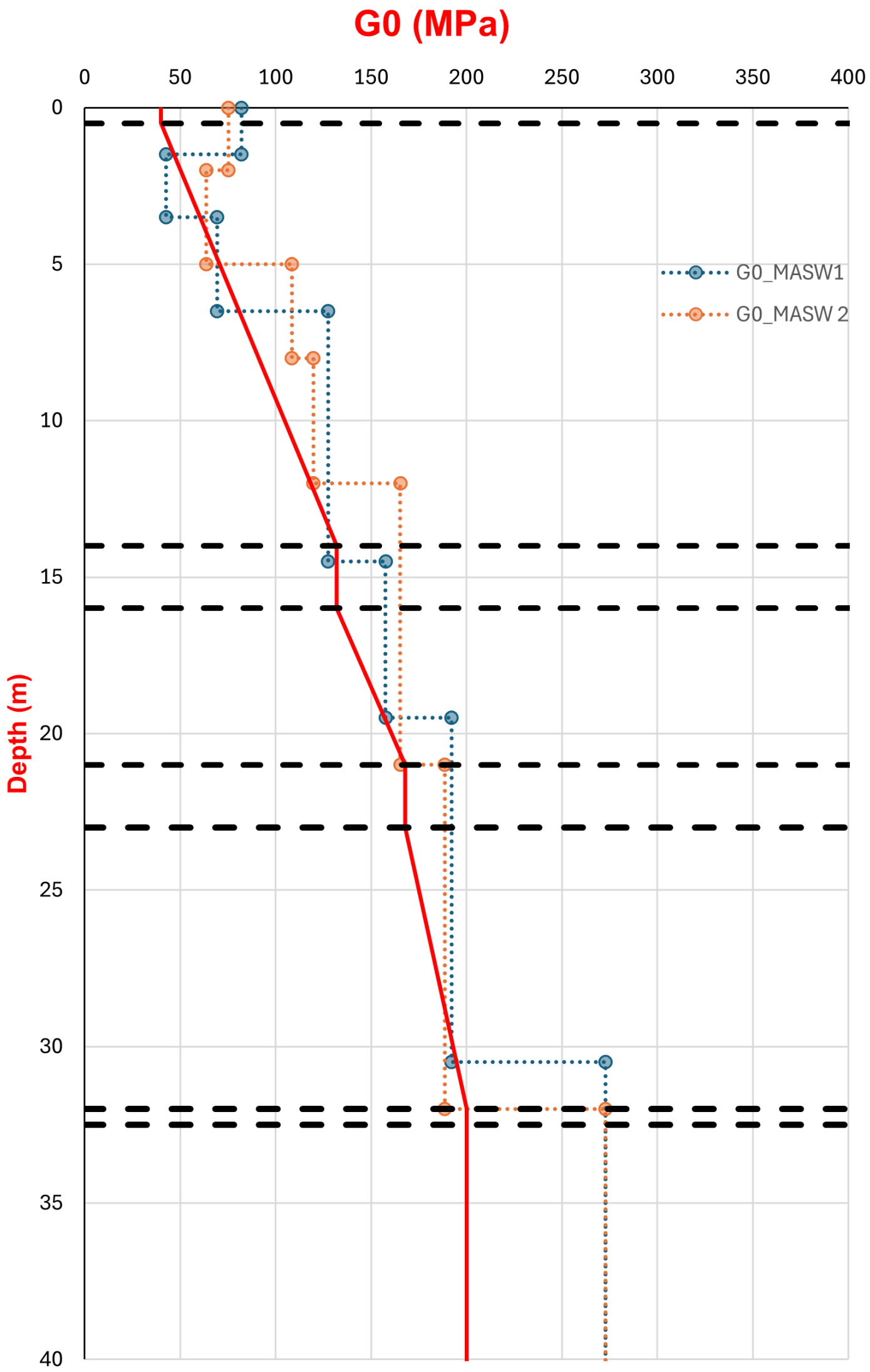
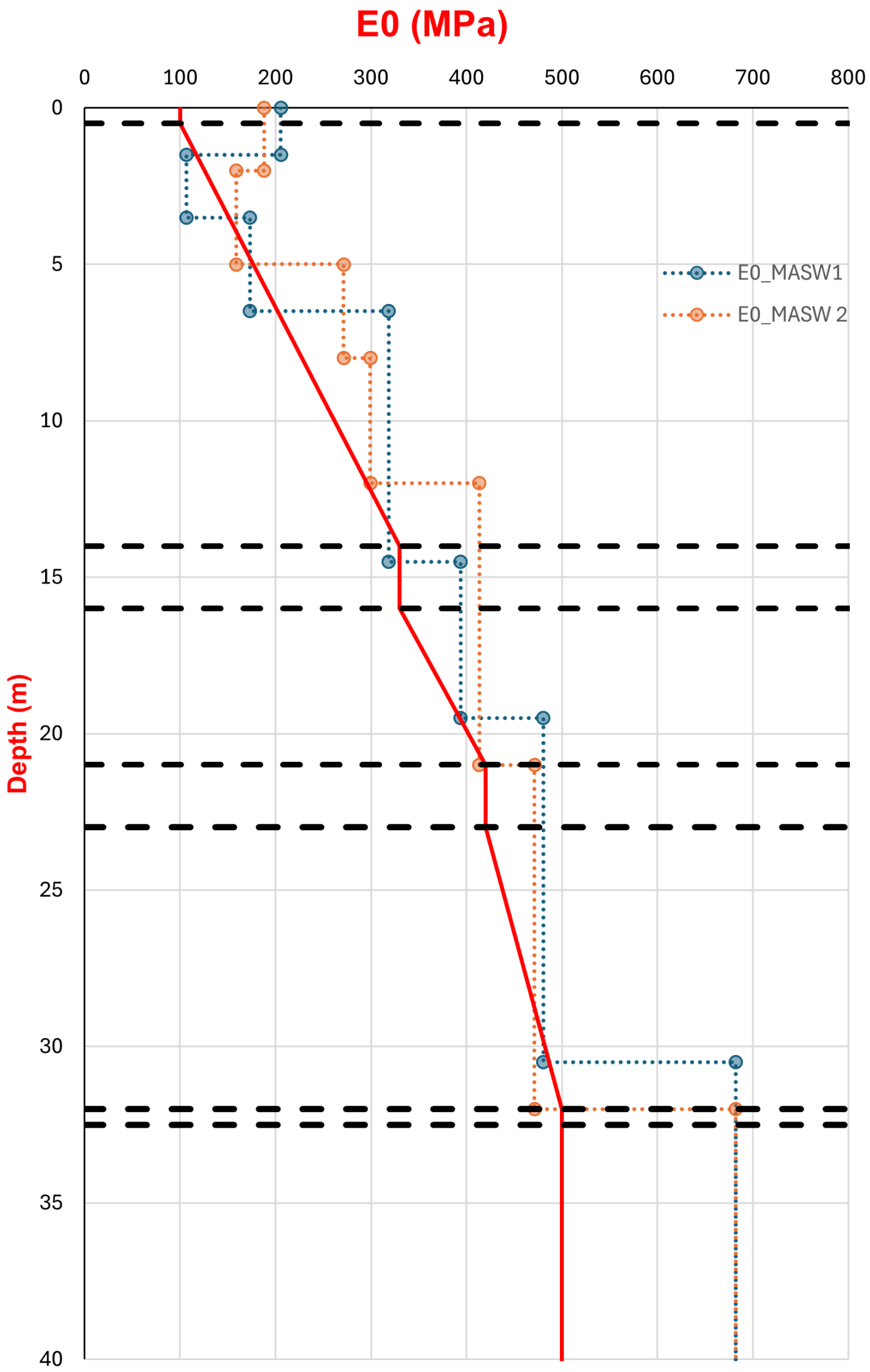
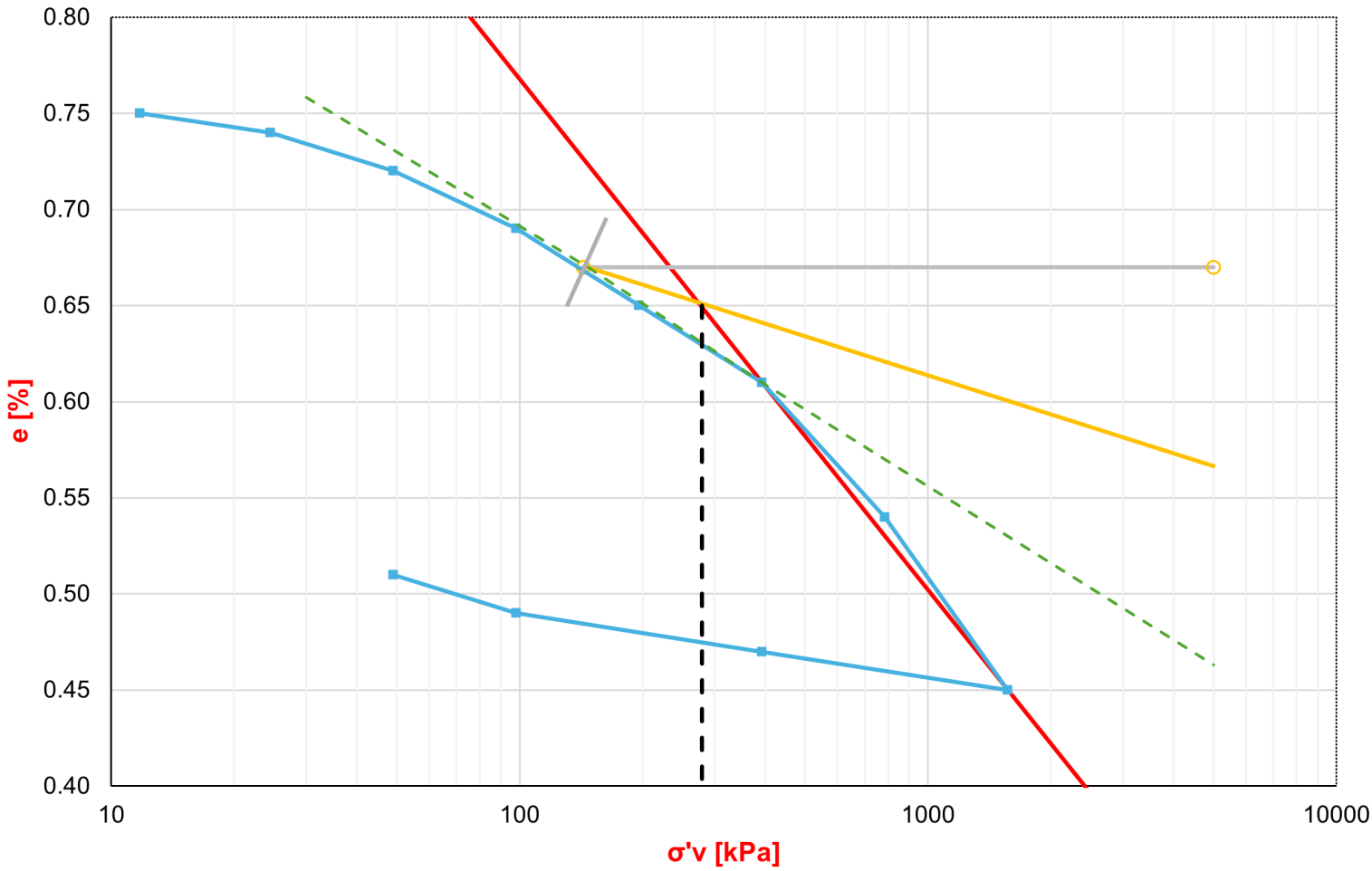

γ (kN/m3)
15
16
17
18
19
20
21
22
23
24
25
0
5
10
15
20
25
30
35
40
45
50
Depth (m)
Sw 6
Sw 7
BH1
BH2
BH3
PZ4
S1_2001
BH4
BIH1-CI1
BH2-CI1
SW7 CI1
PZ4 CI1
SW6 CI1
Signed with NamirialSign
MATTEO BRUNO
01/07/2026 12:28:27 UTC+0200

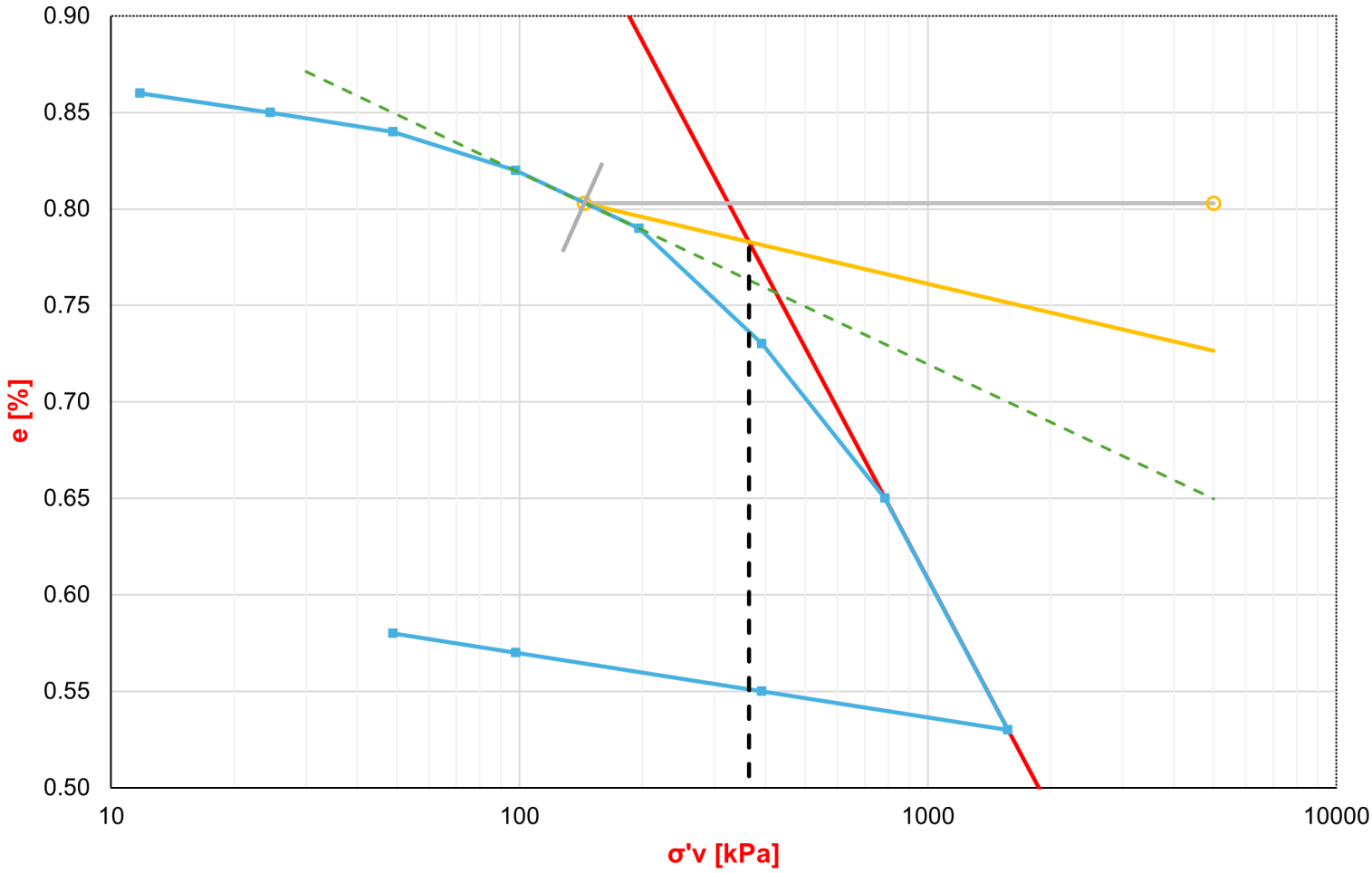

γ (kN/m3)
15
16
17
18
19
20
21
22
23
24
25
0
5
10
15
20
25
30
35
40
45
50
Depth (m)
19 kN/m3
18 kN/m3
19 kN/m3
17.5 kN/m3
19 kN/m3
Sw 6
Sw 7
BH1
BH2
BH3
PZ4
S1_2001
BH4
BIH1-CI1
BH2-CI1
SW7 CI1
PZ4 CI1
SW6 CI1

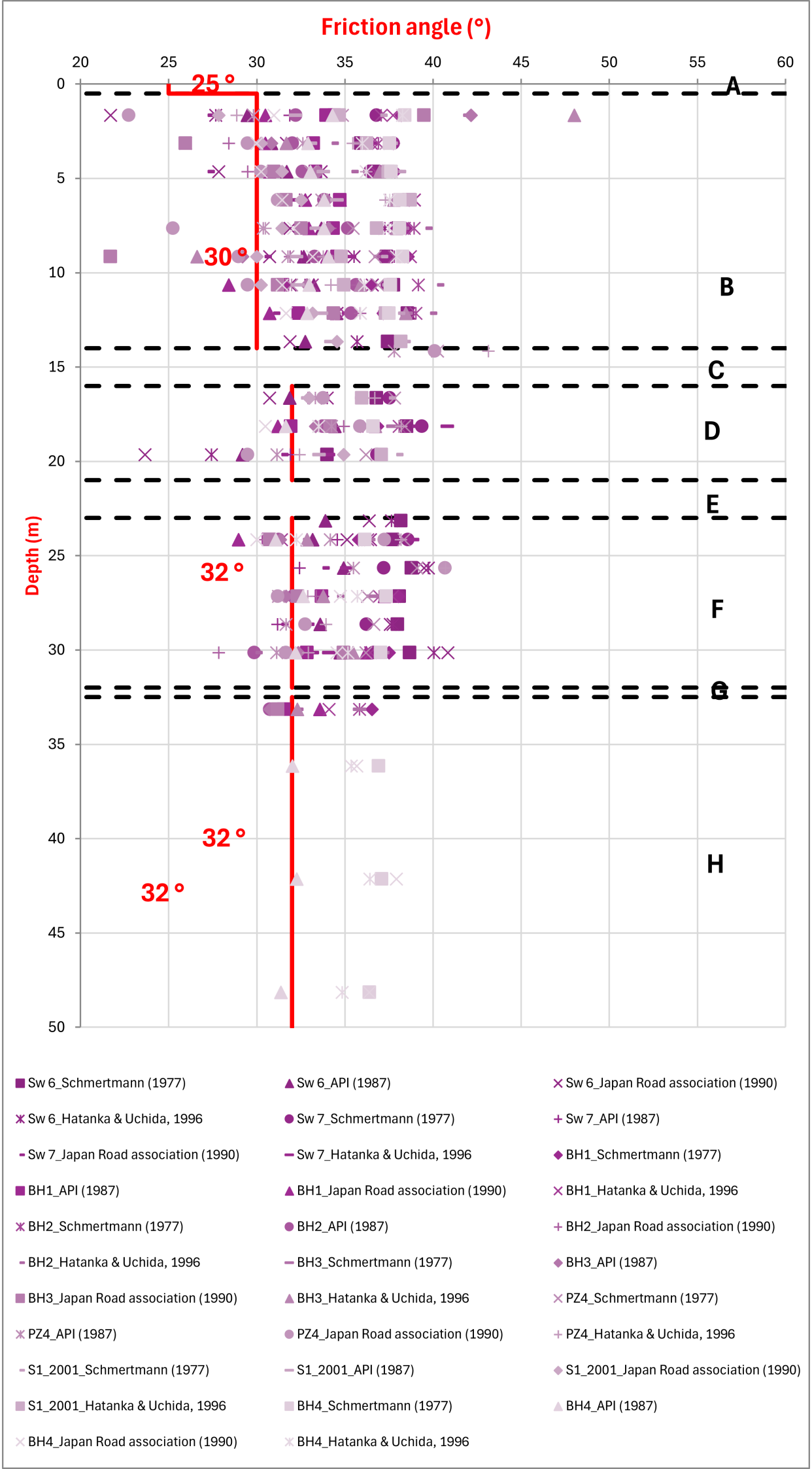

Dr (%)
20
30
40
50
60
70
80
90
100
0
5
10
15
20
25
30
35
40
45
50
Depth (m)
Sw 8
Sw 7
BH1
BH2
BH3
PZ4
S1_2001
BH4

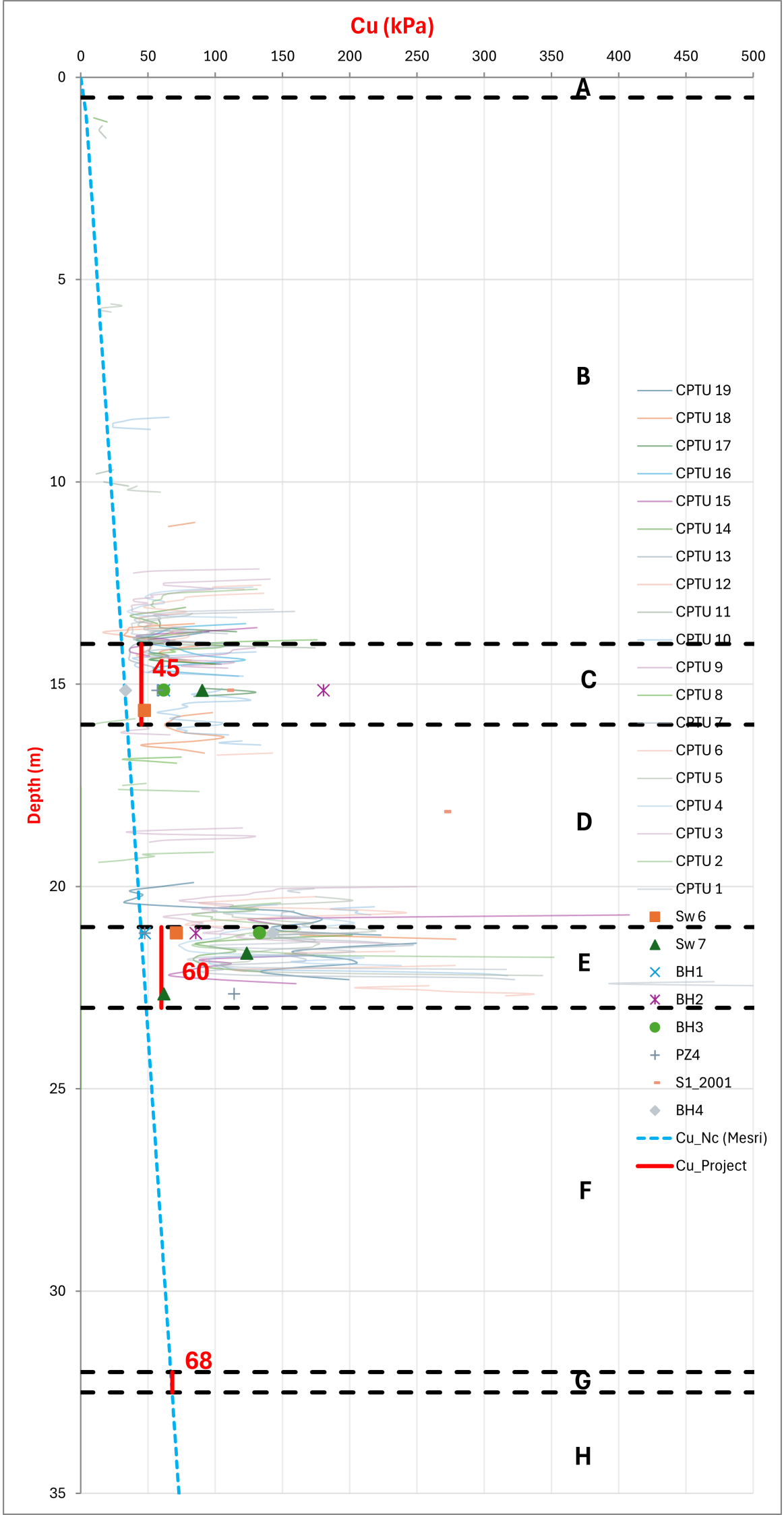

G0 (MPa)
0
50
100
150
200
250
300
350
400
Depth (m)
0
5
10
15
20
25
30
35
40
G0_MASW1
G0_MASW 2


E0 (MPa)
0
100
200
300
400
500
600
700
800
0
5
10
15
20
25
30
35
40
Depth (m)
E0_MASW1
E0_MASW 2


0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
e [%]
10
100
1000
10000
σ'v [kPa]


0.90
0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
e [%]
10
100
1000
10000
σ'v [kPa]


Friction angle (°)
20
25
30
35
40
45
50
55
60
Depth (m)
0
5
10
15
20
25
30
35
40
45
50
25 °
30 °
32 °
32 °
32 °
A
B
C
D
E
F
G
H
Sw 6_Schmertmann (1977)
Sw 6_API (1987)
Sw 6_Japan Road association (1990)
Sw 6_Hatanka & Uchida, 1996
Sw 7_Schmertmann (1977)
Sw 7_API (1987)
Sw 7_Japan Road association (1990)
Sw 7_Hatanka & Uchida, 1996
BH1_Schmertmann (1977)
BH1_API (1987)
BH1_Japan Road association (1990)
BH1_Hatanka & Uchida, 1996
BH2_Schmertmann (1977)
BH2_API (1987)
BH2_Japan Road association (1990)
BH2_Hatanka & Uchida, 1996
BH3_Schmertmann (1977)
BH3_API (1987)
BH3_Japan Road association (1990)
BH3_Hatanka & Uchida, 1996
PZ4_Schmertmann (1977)
PZ4_API (1987)
PZ4_Japan Road association (1990)
PZ4_Hatanka & Uchida, 1996
S1_2001_Schmertmann (1977)
S1_2001_API (1987)
S1_2001_Japan Road association (1990)
S1_2001_Hatanka & Uchida, 1996
BH4_Schmertmann (1977)
BH4_API (1987)
BH4_Japan Road association (1990)
BH4_Hatanka & Uchida, 1996


Cu (kPa)
0
50
100
150
200
250
300
350
400
450
500
Depth (m)
0
5
10
15
20
25
30
35
A
B
C
D
E
F
G
H
45
60
68
CPTU 19
CPTU 18
CPTU 17
CPTU 16
CPTU 15
CPTU 14
CPTU 13
CPTU 12
CPTU 11
CPTU 10
CPTU 9
CPTU 8
CPTU 7
CPTU 6
CPTU 5
CPTU 4
CPTU 3
CPTU 2
CPTU 1
Sw 6
Sw 7
BH1
BH2
BH3
PZ4
S1_2001
BH4
Cu_Nc (Mesri)
Cu_Project